



CENTER FOR ADVANCED AVIATION SYSTEM DEVELOPMENT (CAASD)

Challenges in Implementing Performance-Based Systems

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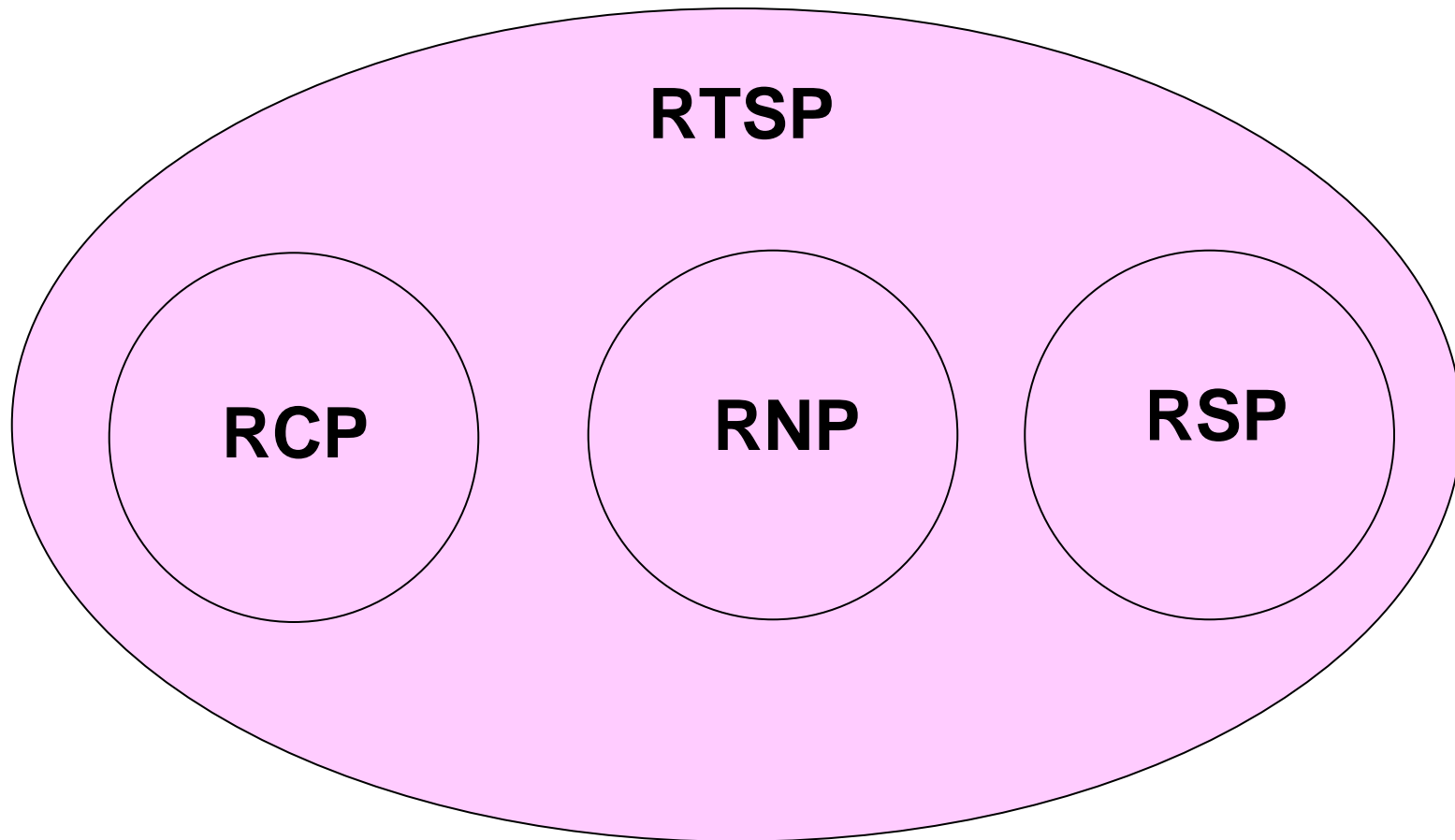


Examples of Desired Aircraft Capabilities

- **Flying in dedicated airspace corridors without control from ground ATC**
- **Flying around popcorn weather cells without guidance from ground ATC**
- **Flying with other aircraft in groups or clusters that are treated by ATC as a single entity**
- **Flying continuous descent approaches**
- **Flying equivalent visual operations in Instrument Meteorological Conditions (IMC)**
- **Arriving at waypoints and fixes at required times**



Is Required Total System Performance (RTSP) This Simple?





A Broader Perspective of RTSP

